

IN THE CLAIMS

1-3. (Canceled)

4. (Currently Amended) A biological photometric device comprising:

an array having a plurality of light sources and corresponding light detectors for respectively~~a plurality of light sources for irradiating an organ with light and a plurality of light detectors for detecting the light emitted from the light sources and propagated through the organ,~~

the light sources and light detectors being adapted to be disposed on the organ including a first light source and a first light detector, and

the a device for measuring a concentration of metabolites in the organ and changes in the concentration at a location corresponding to~~by using an about a substantially midpoint position between each of the light sources and each of the light detectors~~said first light source and said first light detector~~as a sampling point on the basis of a signal detected by the light detectors,~~

~~wherein another light source is disposed in an about midpoint position between said light source and said light detector of a first pair, and another light detector is~~